



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5 : C12Q 1/68	A1	(11) International Publication Number: WO 90/15157 (43) International Publication Date: 13 December 1990 (13.12.90)
(21) International Application Number: PCT/US90/03004 (22) International Filing Date: 31 May 1990 (31.05.90) (30) Priority data: 359,158 31 May 1989 (31.05.89) US (71) Applicant: GENE-TRAK SYSTEMS [US/US]; 31 New York Avenue, Framingham, MA 01701 (US). (72) Inventors: LANE, David, J. ; 9 Oriole Drive, Milford, MA 01757 (US). SHAH, Jyotsna ; 13 Bates Drive, Nashua, NH 03060 (US). BUHARIN, Amelia ; 7 Pond Street, Framingham, MA 01701 (US). WEISBURG, William, G. ; 3 Jillson Circle, Milford, MA 01757 (US).		(74) Agent: JANIUK, Anthony, J.; Gene-Trak Systems, 31 New York Avenue, Framingham, MA 01701 (US). (81) Designated States: AT (European patent), AU, BE (European patent), CA, CH (European patent), DE (European patent)*, DK (European patent), ES (European patent), FR (European patent), GB (European patent), IT (European patent), JP, LU (European patent), NL (European patent), SE (European patent). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: UNIVERSAL EUBACTERIA NUCLEIC ACID PROBES AND METHODS <div style="text-align: center;"> THE THREE KINGDOMS </div>		
(57) Abstract Nucleic acid probes capable of hybridizing to rRNA of eubacteria and not to rRNA of non-eubacteria are described along with methods utilizing such probes for the detection of eubacteria in clinical and other samples. Preferred embodiments include probes capable of distinguishing between gram-positive and gram-negative bacteria.		